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| L Number       | Hits  | Search Text   | DB        | Time stamp                            |
|----------------|-------|---|-----------|---------------------------------------|
| -              | 2     | ("5751571").PN.   | USPAT;    | 2004/01/04 20:49                      |
|                | -     | (0.010.1)   | US-PGPUB; | , ,                                   |
| [ [            |       |   | EPO; JPO; |                                       |
|                | 1     |   | DERWENT;  |                                       |
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| ]              |       | (FFF. FFF. 4.0.FF.) (0.00000 CDDCF40 CDCCC04              | IBM_TDB   | 2002/12/26 10-52                      |
| -              | 12    | (5751571, 6134510, 6363333, 6226549, 6266624,             | USPAT;    | 2003/12/26 10:52                      |
| 1              | 1     | "6117074").pn.  | US-PGPUB; |                                       |
| ļ              |       |   | EPO; JPO; |                                       |
|                |       |   | DERWENT;  |                                       |
|                |       |   | IBM_TDB   |                                       |
| -              | 27    | deco-gustavo.in.  | USPAT;    | 2003/12/31 18:44                      |
|                |       | 3 g   | US-PGPUB; |                                       |
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| (              | _     |   | IBM_TDB   | 0004/04/04 47 06                      |
| -              | 3     | schurmann-bernd.in.                                       | USPAT;    | 2004/01/04 17:06                      |
|                | l     |   | US-PGPUB; |                                       |
|                |       |   | EPO; JPO; |                                       |
|                |       |   | DERWENT;  |                                       |
| 1              |       |   | IBM_TDB   |                                       |
|                | 93    | neural and pulse\$1 and discrimination and maxim\$4 and   | USPAT;    | 2004/01/01 10:16                      |
| {              | , ,,, | interactive\$2  | US-PGPUB; | 2001/01/01 20:20                      |
|                |       | interactive\$2  | EPO; JPO; |                                       |
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| ]              |       |   | IBM_TDB   |                                       |
| ) <del>-</del> | 221   | neural and pulse\$1 and discriminat\$3 and maxim\$4 and   | USPAT;    | 2004/01/01 09:29                      |
|                |       | interactive\$2 and neuron\$1                              | US-PGPUB; |                                       |
| \ \ \          |       |   | EPO; JPO; | 1                                     |
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| , ,            |       |   | IBM_TDB   | ļ                                     |
| _              | 54    | neural and pulse\$1 and discriminat\$3 and maxim\$4 and   | USPAT;    | 2004/01/01 10:07                      |
|                | 31    | interactive\$2 and neuron\$1 and iterat\$3                | US-PGPUB; | 2001,02,02 20.07                      |
| İ              | ٠     | Interactive \$2 and neuron \$1 and iteration              | EPO; JPO; |                                       |
|                |       |   |           |                                       |
| 1              |       |   | DERWENT;  |                                       |
|                |       |   | IBM_TDB   | 2004/04/04 40 00                      |
| -              | 54    | neural and pulse\$1 and discriminat\$3 and maxim\$4 and   | USPAT;    | 2004/01/01 10:08                      |
|                |       | interactive\$2 and neuron\$1 and iterat\$3 and (time)     | US-PGPUB; |                                       |
|                |       |   | EPO; JPO; |                                       |
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|                |       |   | IBM_TDB   |                                       |
| <u>-</u>       | 54    | neural and pulse\$1 and discriminat\$3 and maxim\$4 and   | USPAT;    | 2004/01/02 18:09                      |
|                |       | interactive\$2 and neuron\$1 and iterat\$3 and (time or   | US-PGPUB; | ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' |
|                | 1     | temporal)   | EPO; JPO; |                                       |
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|                |       |   | IBM_TDB   | 2004/04/04 40:40                      |
| -              | 27    | neural and pulse\$1 and discriminat\$3 and maxim\$4 and   | USPAT;    | 2004/01/01 10:10                      |
|                |       | interactive\$2 and neuron\$1 and iterat\$3 and ((time adj | US-PGPUB; |                                       |
| į į            | [     | span) or temporal)  | EPO; JPO; |                                       |
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|                |       |   | IBM_TDB   |                                       |
| -              | 22    | neural and pulse\$1 and discriminat\$3 and maxim\$4 and   | USPAT;    | 2004/09/15 13:43                      |
|                |       | interactive\$2 and neuron\$1 and iterat\$3 and ((time adj | US-PGPUB; | ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' |
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|                | i     |   | IBM_TDB   | 0004/04/04 10 15                      |
| -              | 18    | neural and pulse\$1 and discrimination and maxim\$4 and   | USPAT,    | 2004/01/01 10:13                      |
|                | [     | interactive\$2 and electroencephalogram                   | US-PGPUB; |                                       |
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| 39 alopex USPAT; 2004/01/02 US-PGPUB; EPO; JPO;  |                         |
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| 7 alopex and probability USPAT; 2004/01/01   | 10:28                   |
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| 2 (alopex and probability) and classification USPAT; 2004/01/01  | 10:28                   |
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|   |        | span) or temporal) and end\$3 and electroencephalogra\$2      | EPO; JPO; |                   |
|   |        | not gradient and optimi\$6) and classif\$7) and signal        | DERWENT;  |                   |
|   |        |   | IBM_TDB   |                   |
| - | 1      | (((neural and pulse\$1 and discriminat\$3 and maxim\$4 and    | USPAT;    | 2004/01/01 10:45  |
|   |        | interactive\$2 and neuron\$1 and iterat\$3 and ((time adj     | US-PGPUB; |                   |
|   |        | span) or temporal) and end\$3 and electroencephalogra\$2      | EPO; JPO; |                   |
|   |        | not gradient and optimi\$6) and classif\$7) and signal) and   | DERWENT;  |                   |
|   |        | computer  | IBM_TDB   |                   |
| - | 1      | neural and pulse\$1 and discriminat\$3 and maxim\$4 and       | USPAT;    | 2004/01/01 10:46  |
|   | *      | interactive\$2 and neuron\$1 and iterat\$3 and ((time adj     | US-PGPUB; |                   |
|   |        | span) or temporal) and end\$3 and electroencephalogra\$4      | EPO; JPO; |                   |
|   |        |   | DERWENT;  |                   |
|   |        | not gradient and optimi\$6 and classif\$7 and signal and      |           |                   |
|   |        | computer  | IBM_TDB   | 2004/04/04 40:50  |
| - | 39     | (neural and pulse\$1 and discriminat\$3 and maxim\$4 and      | USPAT;    | 2004/01/01 10:58  |
|   |        | interactive\$2 and neuron\$1 and iterat\$3 and (time or       | US-PGPUB; |                   |
|   |        | temporal)) and train\$3                                       | EPO; JPO; |                   |
|   |        |   | DERWENT;  |                   |
|   |        |   | IBM_TDB   |                   |
| - | 25     | ((neural and pulse\$1 and discriminat\$3 and maxim\$4 and     | USPAT;    | 2004/01/01 10:58  |
|   |        | interactive\$2 and neuron\$1 and iterat\$3 and (time or       | US-PGPUB; |                   |
|   |        | temporal)) and train\$3) and span                             | EPO; JPO; |                   |
|   |        |   | DERWENT;  |                   |
|   |        |   | IBM_TDB   |                   |
| _ | 284103 | time adj (span or period)                                     | USPAT;    | 2004/01/01 11:07  |
|   | 201103 | time adj (span or penod)                                      | US-PGPUB; | 200 1/01/01 11.07 |
|   |        |   |           |                   |
|   |        |   | EPO; JPO; |                   |
|   |        |   | DERWENT;  |                   |
|   | L      |   | IBM_TDB   |                   |
| - | 11     | (time adj (span or period)) and (((neural and pulse\$1 and    | USPAT;    | 2004/01/01 11:08  |
|   |        | discriminat\$3 and maxim\$4 and interactive\$2 and neuron\$1  | US-PGPUB; |                   |
|   |        | and iterat\$3 and (time or temporal)) and train\$3) and span) | EPO; JPO; |                   |
|   |        |   | DERWENT;  |                   |
|   | 1      |   | IBM_TDB   |                   |
| - | 20     | (time adj (span or period)) and (neural and pulse\$1 and      | USPAT;    | 2004/01/03 22:15  |
|   | 1      | discriminat\$3 and maxim\$4 and interactive\$2 and neuron\$1  | US-PGPUB; | , - ,             |
|   |        | and iterat\$3 and (time or temporal))                         | EPO; JPO; | ,                 |
|   |        | Composition   | DERWENT;  |                   |
|   |        |   | IBM_TDB   |                   |
| _ | 424    | (finite adj element adj method) and gradient                  |           | 2004/01/02 18:11  |
| 1 | 424    | Trime and element and memony and gradient                     | USPAT;    | 2007/01/02 10:11  |
|   |        |   | US-PGPUB; |                   |
|   |        |   | EPO; JPO; |                   |
|   |        |   | DERWENT;  |                   |
|   |        |   | IBM_TDB   |                   |
| _ | 150    | ((finite adj element adj method) and gradient) and            | USPAT;    | 2004/01/02 18:11  |
|   |        | @pd<=19980825   | US-PGPUB; |                   |
|   |        |   | EPO; JPO; |                   |
|   |        |   | DERWENT;  |                   |
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|   | 1      | ·   | <u> </u>  | 1                 |

|    |          |   |           | <del></del>       |
|----|----------|---|-----------|-------------------|
| -  | 288      | (finite adj element) same gradient                        | USPAT;    | 2004/01/02 18:11  |
|    |          |   | US-PGPUB; |                   |
| i  |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
|    |          |   | IBM_TDB   |                   |
| -  | 97       | ((finite adj element) same gradient) and @pd<=19980825    | USPAT;    | 2004/01/02 18:12  |
|    |          |   | US-PGPUB; |                   |
|    |          |   | EPO; JPO; | ·                 |
|    |          |   | DERWENT;  |                   |
|    |          |   | IBM_TDB   |                   |
| _  | 7        | alopex and gradient                                       | USPAT;    | 2004/01/02 18:25  |
|    | <b>'</b> | alopex and gradient                                       | US-PGPUB; |                   |
|    |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
|    |          |   | IBM_TDB   |                   |
| _  | 32       | alopex not gradient                                       | USPAT;    | 2004/01/02 18:26  |
|    | 32       |   | US-PGPUB; | 200 1/01/02 10:20 |
|    |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
|    | Į į      |   | IBM_TDB   |                   |
|    | 1        | planay not planay as                                      | USPAT;    | 2004/01/02 18:39  |
| -  | 16       | alopex not alopex.as.                                     |           | 2007/01/02 10.33  |
|    |          |   | US-PGPUB; |                   |
|    |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
|    |          |   | IBM_TDB   | 2004/04/02 40:40  |
| -  | 21       | (alopex not gradient) not (alopex adj ind)                | USPAT;    | 2004/01/02 18:40  |
|    |          |   | US-PGPUB; |                   |
|    |          |   | EPO; JPO; |                   |
| 1  |          |   | DERWENT;  |                   |
|    |          |   | IBM_TDB   |                   |
| -  | 11       | (alopex not gradient) and (alopex adj ind)                | USPAT;    | 2004/01/02 18:40  |
|    |          |   | US-PGPUB; |                   |
|    |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
|    |          |   | IBM_TDB   |                   |
| -  | 15       | (alopex not alopex.as.) not (alopex adj ind)              | USPAT;    | 2004/01/02 18:41  |
|    |          |   | US-PGPUB; |                   |
|    |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
| ĺ  | -        |   | IBM_TDB   |                   |
|    | 0        | ((alopex not gradient) and (alopex adj ind)) and ((alopex | USPAT;    | 2004/01/02 18:41  |
|    |          | not alopex.as.) not (alopex adj ind))                     | US-PGPUB; |                   |
|    |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
|    |          |   | IBM_TDB   |                   |
| -  | 56       | tresp.in.   | USPAT;    | 2004/01/03 22:15  |
|    | 1        |   | US-PGPUB; | . , ====          |
|    |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
| [  |          |   | IBM_TDB   |                   |
| 1. | 0        | de19531697c2.ap.  | USPAT;    | 2004/01/04 17:06  |
| _  | "        | dc15551057c2.ap.  | US-PGPUB; | 200 1,01,01 17.00 |
|    |          | ·   |           |                   |
|    |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
|    | _        | 4-10521607-2  | IBM_TDB   | 2004/01/04 17:07  |
| -  | 0        | de19531697c2.apn.   | USPAT;    | 2004/01/04 17:07  |
|    |          |   | US-PGPUB; |                   |
|    |          |   | EPO; JPO; |                   |
|    |          |   | DERWENT;  |                   |
|    |          |   | IBM_TDB   |                   |

| -     | 0   | 19531697c2.ap.                               | USPAT;        | 2004/01/04 17:07              |
|-------|-----|--|---------------|-------------------------------|
|       |     |  | US-PGPUB;     |                               |
|       |     |  | EPO; JPO;     |                               |
|       |     |  | DERWENT;      |                               |
|       |     |  | IBM_TDB       |                               |
| i _ i | 0   | 19531697c2.apn.                              | USPAT;        | 2004/01/04 17:07              |
|       |     | 13331037C2.apm                               | US-PGPUB;     | , ,                           |
|       |     |  | EPO; JPO;     |                               |
|       |     |  | DERWENT;      |                               |
|       | ļ   |  | IBM_TDB       |                               |
|       | ا م | 10521607 on                                  | USPAT;        | 2004/01/04 17:07              |
| -     | 0   | 19531697.ap.                                 | US-PGPUB;     | 200 1/01/01 17:07             |
|       |     |  | EPO; JPO;     |                               |
| į     |     |  | DERWENT;      |                               |
|       |     |  | IBM_TDB       |                               |
|       | _   |  |               | 2004/01/04 17:07              |
| -     | 0   | 19531697.apn.                                | USPAT;        | 2004/01/04 17.07              |
|       | İ   |  | US-PGPUB;     |                               |
| ŀ     |     |  | EPO; JPO;     |                               |
| ]     |     |  | DERWENT;      |                               |
|       |     |  | IBM_TDB       | 2004/01/04 17 17              |
| -     | 7   | (time adj delay adj neural and networks).ti. | USPAT;        | 2004/01/04 17:17              |
|       |     |  | US-PGPUB;     |                               |
|       |     |  | EPO; JPO;     |                               |
|       | 1   |  | DERWENT;      |                               |
|       |     |  | IBM_TDB       |                               |
| _     | 24  | denker-j-s.in.                               | USPAT;        | 2004/01/04 17:13              |
| 1     | -   |  | US-PGPUB;     |                               |
|       |     |  | EPO; JPO;     |                               |
|       |     |  | DERWENT;      | Ì                             |
| Ì     |     |  | IBM_TDB       |                               |
| _     | 23  | guyon-isabelle.in.                           | USPAT;        | 2004/01/04 17:10              |
|       | 25  | guyon Bubeneam.                              | US-PGPUB;     |                               |
|       |     |  | EPO; JPO;     |                               |
|       | 1   |  | DERWENT;      |                               |
| 1     |     |  | IBM_TDB       |                               |
|       | 100 | time adj delay adj neural and networks       | USPAT;        | 2004/01/04 17:17              |
| -     | 100 | time adj delay adj neural and networks       | US-PGPUB;     | 2001/01/01 17:17              |
|       |     |  | EPO; JPO;     |                               |
|       |     |  |               |                               |
|       |     |  | DERWENT;      |                               |
| ‡     |     |  | IBM_TDB       | 2004/09/15 17:37              |
| -     | 243 | 706/16.ccls.                                 | USPAT;        | ZUU <del>1</del> /U9/15 1/:3/ |
|       |     |  | US-PGPUB;     |                               |
|       |     |  | EPO; JPO;     |                               |
|       |     |  | DERWENT;      |                               |
|       |     |  | IBM_TDB       | 0004/04/04 00 50              |
| -     | 64  | 706/19.ccls.                                 | USPAT;        | 2004/01/04 20:50              |
|       |     |  | US-PGPUB;     |                               |
|       |     |  | EPO; JPO;     |                               |
|       |     |  | DERWENT;      |                               |
|       |     |  | IBM_TDB       |                               |
| -     | 471 | 706/20.ccls.                                 | USPAT;        | 2004/01/04 20:50              |
|       |     |  | US-PGPUB;     |                               |
|       |     |  | EPO; JPO;     |                               |
|       |     |  | DERWENT;      |                               |
|       |     |  | IBM_TDB       | ,                             |
| -     | 793 | 706/25.ccls.                                 | USPAT;        | 2004/01/04 20:51              |
|       | /55 | 7 00/ 20100101                               | US-PGPUB;     | ,,                            |
| 1     |     |  | EPO; JPO;     | [                             |
| 1     |     |  | DERWENT;      |                               |
| 1     |     |  | IBM_TDB       |                               |
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|--------|----------|--|-----------|--------------------|
| -      | 183      | 706/26.ccls.   | USPAT;    | 2004/01/04 20:51   |
| 1      | }        |  | US-PGPUB; | Į į                |
|        |          |  | EPO; JPO; |                    |
| 1      | 1        |  | DERWENT;  |                    |
|        |          |  | IBM_TDB   |                    |
| -      | 17       | 706/35.ccls.   | USPAT;    | 2004/01/04 20:51   |
|        |          | 7 - 00,000,000   | US-PGPUB; | 2001,01,0120.51    |
| 1      | }        |  | EPO; JPO; |                    |
|        | ļ        |  | DERWENT;  |                    |
| 1      | ł        |  |           |                    |
|        | 1/10     |  | IBM_TDB   | 2004/00/45 43:30   |
| -      | 1418     | neural same pulse\$1   | USPAT;    | 2004/09/15 13:38   |
|        |          | ,  | US-PGPUB; |                    |
| 1      | 1        |  | EPO; JPO; |                    |
|        |          |  | DERWENT;  |                    |
| İ      | Ì        |  | IBM_TDB   |                    |
| -      | 366      | (neural same pulse\$1) same (train\$3 learn\$3)              | USPAT;    | 2004/09/15 13:38   |
|        | Ì        |  | US~PGPUB; |                    |
|        | ļ        |  | EPO; JPO; |                    |
| Í      | ĺ        |  | DERWENT;  |                    |
|        | 1        |  | IBM_TDB   |                    |
| 1_     | 2366     | neur\$3 same puls\$3   | USPAT;    | 2004/00/15 12:20   |
| 1      | 2300     | неш рэзанге ригэрэ<br>                                       |           | 2004/09/15 13:38   |
|        |          |  | US-PGPUB; |                    |
| Ţ      | )        |  | EPO; JPO; | ]                  |
| 1      |          |  | DERWENT;  |                    |
| 1      | ]        |  | IBM_TDB   |                    |
| -      | 484      | (neur\$3 same puls\$3) same (train\$3 learn\$3)              | USPAT;    | 2004/09/15 13:38   |
| Į.     | 1        |  | US-PGPUB; |                    |
|        | 1        |  | EPO; JPO; |                    |
| Į.     | l        |  | DERWENT;  | }                  |
|        |          |  | IBM_TDB   |                    |
| -      | 277      | ((neur\$3 same puls\$3) same (train\$3 learn\$3)) and        | USPAT;    | 2004/09/15 13:39   |
|        | ~~       | @ad<=19980825  | US-PGPUB; | 200 1/ 03/13 13:33 |
| }      | ł        | @dd ( - 19900029   | EPO; JPO; |                    |
|        |          |  |           |                    |
| 1      | Ì        |  | DERWENT;  |                    |
|        |          | ///no.ush2.com.c.m.loh2\ com.c./husimh2.loous.h2\\           | IBM_TDB   | 2004/00/45 44 24   |
| 1 -    | 14       | (((neur\$3 same puls\$3) same (train\$3 learn\$3)) and       | USPAT;    | 2004/09/15 14:21   |
| 1      |          | @ad<=19980825) and discriminat\$3 and ((time adj span)       | US-PGPUB; |                    |
| Ĭ      | İ        | or temporal)   | EPO; JPO; |                    |
|        |          |  | DERWENT;  |                    |
|        |          |  | IBM_TDB   |                    |
| ] -    | 21       | (((neur\$3 same puls\$3) same (train\$3 learn\$3)) and       | USPAT;    | 2004/09/15 17:36   |
| 1      | 1        | @ad<=19980825) and discriminat\$3 and ((time adj (span\$1    | US-PGPUB; |                    |
| ]      | Į.       | period\$1)) or temporal)                                     | EPO; JPO; |                    |
| 1      |          | · · · · · · · · · · · · · · · · · · ·                        | DERWENT;  |                    |
| 1      | 1        |  | IBM_TDB   |                    |
| ] _    | 19       | (((((neur\$3 same puls\$3) same (train\$3 learn\$3)) and     | USPAT;    | 2004/09/15 14:33   |
|        | 1        | @ad<=19980825) and discriminat\$3 and ((time adj (span\$1)   | US-PGPUB; | 2007/05/13 17.33   |
| 1      |          | period\$1)) or temporal)) and (iterat\$4 repeat\$4 loop\$4)  |           |                    |
| 1      | 1        | репоцятуу оп тетпрогатуу ани (петацяч гереацяч 100ряч)       | EPO; JPO; |                    |
| r<br>I |          |  | DERWENT;  |                    |
| 1      |          |  | IBM_TDB   |                    |
| 1 -    | 12       | ((((neur\$3 same puls\$3) same (train\$3 learn\$3)) and      | USPAT;    | 2004/09/15 14:29   |
| 1      | }        | @ad<=19980825) and discriminat\$3 and ((time adj span)       | US-PGPUB; | 1                  |
| 1      |          | or temporal)) and (((((neur\$3 same puls\$3) same (train\$3  | EPO; JPO; |                    |
| 1      | {        | learn\$3)) and @ad<=19980825) and discriminat\$3 and         | DERWENT;  |                    |
|        |          | ((time adj (span\$1 period\$1)) or temporal)) and (iterat\$4 | IBM_TDB   |                    |
| 1      | [        | repeat\$4 loop\$4))  |           | 1                  |
| ] -    | 7        | (((((neur\$3 same puls\$3) same (train\$3 learn\$3)) and     | USPAT;    | 2004/09/15 14:25   |
| 1      | <u> </u> | @ad<=19980825) and discriminat\$3 and ((time adj (span\$1    | US-PGPUB; |                    |
|        |          | period\$1)) or temporal)) and (iterat\$4 repeat\$4 loop\$4)) | EPO; JPO; |                    |
|        | [        | not ((((neur\$3 same puls\$3) same (train\$3 learn\$3)) and  | DERWENT;  | [                  |
|        | ļ        |  |           |                    |
|        | [        | @ad<=19980825) and discriminat\$3 and ((time adj span)       | IBM_TDB   | [                  |
| L      | <u> </u> | or temporal))  | L         | L                  |

| } -      | 2           | ((neur\$3 same puls\$3) same (train\$3 learn\$3)) same   | USPAT;        | 2004/09/15 14:31 |
|----------|-------------|--|---------------|------------------|
| }        | ]           | (discriminat\$3 same ((time adj (span\$1 period\$1)) or  | US-PGPUB;     |                  |
| }        | ł i         | temporal))   | EPO; JPO;     | }                |
| }        | }           |  | DERWENT;      |                  |
| }        | }           |  | IBM_TDB       |                  |
| ļ -      | 2           | (((neur\$3 same puls\$3) same (train\$3 learn\$3)) same  | USPAT;        | 2004/09/15 14:33 |
| ţ        | } :         | (discriminat\$3 same ((time adj (span\$1 period\$1)) or  | US-PGPUB;     | , .              |
| ţ        | 1           | temporal))) and (iterat\$4 repeat\$4 loop\$4)  | EPO; JPO;     |                  |
| 1        | }           | ( ) )  | DERWENT;      |                  |
| 1        | 1           |  | IBM_TDB       |                  |
| -        | 1           | (((((neur\$3 same puls\$3) same (train\$3 learn\$3)) same  | USPAT;        | 2004/09/15 14:34 |
| [        | 1 - 1       | (((incarps same paisss) same (damps learnes)) same (discriminat\$3 same ((time adj (span\$1 period\$1)) or   | US-PGPUB;     | 2001,05,20 21101 |
| į        | 1           | temporal))) and (iterat\$4 repeat\$4 loop\$4)) and   | EPO; JPO;     | }                |
|          | 1           | @ad<=19980825  | DERWENT;      |                  |
| <b>{</b> | 1           | @dd \  | IBM_TDB       |                  |
| 1_       | 0           | 706/16.ccls. and (((neur\$3 same puls\$3) same (train\$3   | USPAT;        | 2004/09/15 17:37 |
| }        | "           | learn\$3)) and @ad<=19980825) and discriminat\$3 and   | US-PGPUB;     | 2007/05/15 17.57 |
|          | }           |  |               |                  |
| }        | }           | ((time adj (span\$1 period\$1)) or temporal)   | EPO; JPO;     | 1                |
| 1        |             |  | DERWENT;      |                  |
| ļ        | 1           | 705/40 ///   | IBM_TDB       | 2004/00/45 47:20 |
| } -      | 0           | 706/19.ccls. and (((neur\$3 same puls\$3) same (train\$3   | USPAT;        | 2004/09/15 17:38 |
| }        | 1           | learn\$3)) and @ad<=19980825) and discriminat\$3 and   | US-PGPUB;     | }                |
| }        | }           | ((time adj (span\$1 period\$1)) or temporal)   | EPO; JPO;     | }                |
| {        | {           |  | DERWENT;      | {                |
| {        | {           |  | IBM_TDB       | {                |
| -        | ) 0         | 706/26.ccls. and (((neur\$3 same puls\$3) same (train\$3   | USPAT;        | 2004/09/15 17:38 |
| }        | }           | learn\$3)) and @ad<=19980825) and discriminat\$3 and   | US-PGPUB;     | }                |
| }        | }           | ((time adj (span\$1 period\$1)) or temporal)   | EPO; JPO;     | }                |
| }        | }           |  | DERWENT;      | }                |
| }        | }           |  | IBM_TDB       | }                |
| -        | 0           | 706/35.ccls. and (((neur\$3 same puls\$3) same (train\$3   | USPAT;        | 2004/09/15 17:38 |
| 1        | 1           | learn\$3)) and @ad<=19980825) and discriminat\$3 and   | US-PGPUB;     | {                |
|          | 1           | ((time adj (span\$1 period\$1)) or temporal)   | EPO; JPO;     |                  |
| ,        |             |  | DERWENT;      |                  |
| į        | 1           |  | IBM_TDB       | į į              |
| -        | 2           | 706/20.ccls. and (((neur\$3 same puls\$3) same (train\$3   | USPAT;        | 2004/09/15 18:11 |
| 1        | ļ           | learn\$3)) and @ad<=19980825) and discriminat\$3 and   | US-PGPUB;     |                  |
| }        | }           | ((time adj (span\$1 period\$1)) or temporal)   | EPO; JPO;     | }                |
|          | }           |  | DERWENT;      | }                |
| 1        |             | The same of the sa | IBM_TDB       |                  |
| -        | 2           | 706/25.ccls. and (((neur\$3 same puls\$3) same (train\$3   | USPAT;        | 2004/09/15 18:12 |
| }        | }           | learn\$3)) and @ad<=19980825) and discriminat\$3 and   | US-PGPUB;     |                  |
| {        | 1           | ((time adj (span\$1 period\$1)) or temporal)   | EPO; JPO;     | 1                |
| {        | 1           |  | DERWENT;      |                  |
| }        |             |  | IBM_TDB       |                  |
| } _      | 44972       | @ad>=20040101  | USPAT;        | 2004/09/15 18:11 |
| }        | 1           | -  | US-PGPUB;     |                  |
| }        | }           |  | EPO; JPO;     | }                |
| }        | }           |  | DERWENT;      |                  |
| }        |             |  | IBM_TDB       | }                |
| -        | 0           | 706/25.ccls. and @ad>=20040101   | USPAT;        | 2004/09/15 18:12 |
| 1        | 1           |  | US-PGPUB;     |                  |
|          |             |  | EPO; JPO;     | {                |
|          | 1           |  | DERWENT;      | 1                |
| }        |             |  | IBM_TDB       | }                |
| 1 -      | 2           | 706/20.ccls, and @ad>=20040101   | USPAT;        | 2004/09/15 18:12 |
|          | 1           | 7.50/25.505. and @day 250 10101  | US-PGPUB;     | 2001/05/15 10.12 |
| }        |             |  | EPO; JPO;     | }                |
|          |             |  | DERWENT;      | 1                |
| 1        |             |  | IBM_TDB       |                  |
| L        | <del></del> | <u> </u>   | ן ויוטנן ן DD | L                |

| L Number | Hits | Search Text  | DB        | Time stamp       |
|----------|------|--|-----------|------------------|
| 1        | 0    | 706/16.ccls. and (((neur\$3 same puls\$3) same (train\$3 | USPAT;    | 2004/09/15 17:37 |
| }        |      | learn\$3)) and @ad<=19980825) and discriminat\$3 and     | US-PGPUB; |                  |
|          |      | ((time adj (span\$1 period\$1)) or temporal)             | EPO; JPO; | ļ                |
|          |      |  | DERWENT;  | }                |
| ļ        |      |  | IBM_TDB   | ,                |
| 2        | 0    | 706/19.ccls. and (((neur\$3 same puls\$3) same (train\$3 | USPAT;    | 2004/09/15 17:38 |
|          |      | learn\$3)) and @ad<=19980825) and discriminat\$3 and     | US-PGPUB; | j                |
|          |      | ((time adj (span\$1 period\$1)) or temporal)             | EPO; JPO; | }                |
|          |      |  | DERWENT;  | ļ                |
|          |      |  | IBM_TDB   | [                |
| 5        | 0    | 706/26.ccls. and (((neur\$3 same puls\$3) same (train\$3 | USPAT;    | 2004/09/15 17:38 |
| i ,      |      | learn\$3)) and @ad<=19980825) and discriminat\$3 and     | US-PGPUB; |                  |
| }        |      | ((time adj (span\$1 period\$1)) or temporal)             | EPO; JPO; |                  |
| <b>j</b> |      |  | DERWENT;  | 1                |
| }        |      |  | IBM_TDB   |                  |
| 6        | 0    | 706/35.ccls. and (((neur\$3 same puls\$3) same (train\$3 | USPAT;    | 2004/09/15 17:38 |
| }        |      | learn\$3)) and @ad<=19980825) and discriminat\$3 and     | US-PGPUB; | }                |
| į        |      | ((time adj (span\$1 period\$1)) or temporal)             | EPO; JPO; |                  |
| 1        |      |  | DERWENT;  |                  |
| ,        |      |  | IBM_TDB   | <b>\</b>         |
| 3        | 2    | 706/20.ccls. and (((neur\$3 same puls\$3) same (train\$3 | USPAT;    | 2004/09/15 17:38 |
|          |      | learn\$3)) and @ad<=19980825) and discriminat\$3 and     | US-PGPUB; | }                |
|          |      | ((time adj (span\$1 period\$1)) or temporal)             | EPO; JPO; | ļ                |
|          |      |  | DERWENT;  | <b>}</b> .       |
|          |      |  | IBM_TDB   |                  |
| 4        | 2    | 706/25.ccls. and (((neur\$3 same puls\$3) same (train\$3 | USPAT;    | 2004/09/15 17:38 |
|          |      | learn\$3)) and @ad<=19980825) and discriminat\$3 and     | US-PGPUB; | 1                |
| }        |      | ((time adj (span\$1 period\$1)) or temporal)             | EPO; JPO; | }:               |
| }        |      |  | DERWENT;  |                  |
| {        |      |  | IBM_TDB   | (                |

| L Number | Hits | Search Text  | DB        | Time stamp       |
|----------|------|--|-----------|------------------|
| 1        | 1418 | neural same pulse\$1                                   | USPAT;    | 2004/09/15 13:38 |
|          |      |  | US-PGPUB; |                  |
| ,        |      |  | EPO; JPO; |                  |
|          |      |  | DERWENT;  |                  |
|          |      |  | IBM_TDB   |                  |
| 2        | 366  | (neural same pulse\$1) same (train\$3 learn\$3)        | USPAT;    | 2004/09/15 13:38 |
| <u>'</u> |      | •  | US-PGPUB; |                  |
|          |      |  | EPO; JPO; |                  |
|          |      |  | DERWENT;  |                  |
|          |      |  | IBM_TDB   | •                |
| 3        | 2366 | neur\$3 same puls\$3                                   | USPAT;    | 2004/09/15 13:38 |
|          | 1    |  | US-PGPUB; |                  |
|          |      |  | EPO; JPO; |                  |
|          |      |  | DERWENT;  |                  |
| 1        | -    |  | IBM_TDB   |                  |
| 4        | 484  | (neur\$3 same puls\$3) same (train\$3 learn\$3)        | USPAT;    | 2004/09/15 13:38 |
|          | -    |  | US-PGPUB; |                  |
|          | }    |  | EPO; JPO; |                  |
|          | i .  |  | DERWENT;  |                  |
|          |      |  | IBM_TDB   |                  |
| 5        | 277  | ((neur\$3 same puls\$3) same (train\$3 learn\$3)) and  | USPAT;    | 2004/09/15 13:39 |
|          |      | @ad<=19980825  | US-PGPUB; |                  |
|          |      |  | EPO; JPO; |                  |
|          |      |  | DERWENT;  |                  |
| ,        |      |  | IBM_TDB   |                  |
| 6        | 14   | (((neur\$3 same puls\$3) same (train\$3 learn\$3)) and | USPAT;    | 2004/09/15 13:44 |
|          | ļ    | @ad<=19980825) and discriminat\$3 and ((time adj span) | US-PGPUB; |                  |
|          |      | or temporal)   | EPO; JPO; |                  |
| [        | 1    |  | DERWENT;  |                  |
|          |      |  | IBM_TDB   |                  |

| L Number | Hits | Search Text  | DB                  | Time stamp          |
|----------|------|--|---------------------|---------------------|
| 1        | 1418 | neural same pulse\$1   | USPAT;              | 2004/09/15 13:38    |
| i        |      |  | US-PGPUB;           |                     |
| l        |      |  | EPO; JPO;           |                     |
| 1        |      |  | DERWENT;            |                     |
| _        |      | <u> </u>   | IBM_TDB             |                     |
| 2        | 366  | (neural same pulse\$1) same (train\$3 learn\$3)              | USPAT;              | 2004/09/15 13:38    |
| 1        |      |  | US-PGPUB;           |                     |
| ĺ        |      |  | EPO; JPO;           |                     |
| 1        |      |  | DERWENT;            |                     |
| _        | 2044 |  | IBM_TDB             |                     |
| 3        | 2366 | neur\$3 same puls\$3   | USPAT;              | 2004/09/15 13:38    |
| 1        |      |  | US-PGPUB;           | Į.                  |
| Į        |      |  | EPO; JPO;           | ļ                   |
| ļ        |      |  | DERWENT;<br>IBM_TDB |                     |
|          | 404  | (may met 2 annua mylaet 2) annua (huninet 2 languat 2)       | USPAT;              | 2004/00/15 12:28    |
| 4        | 484  | (neur\$3 same puls\$3) same (train\$3 learn\$3)              | US-PGPUB;           | 2004/09/15 13:38    |
| [        | '    |  | EPO; JPO;           |                     |
| ļ        |      |  | DERWENT;            |                     |
| 1        |      |  | IBM_TDB             |                     |
| 5        | 277  | ((neur\$3 same puls\$3) same (train\$3 learn\$3)) and        | USPAT;              | 2004/09/15 13:39    |
| 3        | 211  | ((neur \$3 same puis\$3) same (d'air \$3 lear (\$3)) and     | US-PGPUB;           | 2007/09/13 13.33    |
|          |      |  | EPO; JPO;           | ;                   |
| ļ        |      |  | DERWENT;            | }                   |
|          |      |  | IBM_TDB             | }                   |
| 6        | 14   | (((neur\$3 same puls\$3) same (train\$3 learn\$3)) and       | USPAT;              | 2004/09/15 14:21    |
|          | - '  | @ad<=19980825) and discriminat\$3 and ((time adj span)       | US-PGPUB;           | 200 1,00,100 1 1121 |
| į        |      | or temporal)   | EPO; JPO;           |                     |
| Ì        |      | or comparaty   | DERWENT;            |                     |
| ì        |      |  | IBM_TDB             |                     |
| 7        | 21   | (((neur\$3 same puls\$3) same (train\$3 learn\$3)) and       | USPAT;              | 2004/09/15 14:30    |
| j        | . –  | @ad<=19980825) and discriminat\$3 and ((time adj (span\$1    | US-PGPUB;           | 1 ' '               |
| 1        |      | period\$1)) or temporal)                                     | EPO; JPO;           |                     |
| ]        |      |  | DERWENT;            | }                   |
|          |      |  | IBM_TDB             |                     |
| 8        | 19   | ((((neur\$3 same puls\$3) same (train\$3 learn\$3)) and      | USPAT;              | 2004/09/15 14:33    |
|          |      | @ad<=19980825) and discriminat\$3 and ((time adj (span\$1    | US-PGPUB;           |                     |
| Ì        |      | period\$1)) or temporal)) and (iterat\$4 repeat\$4 loop\$4)  | EPO; JPO;           |                     |
|          |      |  | DERWENT;            | ł                   |
| 1        |      |  | IBM_TDB             |                     |
| 9        | 12   | ((((neur\$3 same puls\$3) same (train\$3 learn\$3)) and      | USPAT;              | 2004/09/15 14:29    |
| 1        |      | @ad<=19980825) and discriminat\$3 and ((time adj span)       | US-PGPUB;           |                     |
| Ì        |      | or temporal)) and (((((neur\$3 same puls\$3) same (train\$3  | EPO; JPO;           |                     |
| ĺ        |      | learn\$3)) and @ad<=19980825) and discriminat\$3 and         | DERWENT;            | )                   |
| 1        |      | ((time adj (span\$1 period\$1)) or temporal)) and (iterat\$4 | IBM_TDB             | ļ                   |
|          | _    | repeat\$4 loop\$4))  |                     | 0004100417          |
| 10       | 7    | (((((neur\$3 same puls\$3) same (train\$3 learn\$3)) and     | USPAT;              | 2004/09/15 14:25    |
| ì        |      | @ad<=19980825) and discriminat\$3 and ((time adj (span\$1    | US-PGPUB;           |                     |
| }        |      | period\$1)) or temporal)) and (iterat\$4 repeat\$4 loop\$4)) | EPO; JPO;           |                     |
| į        |      | not ((((neur\$3 same puls\$3) same (train\$3 learn\$3)) and  | DERWENT;            |                     |
| )        |      | @ad<=19980825) and discriminat\$3 and ((time adj span)       | IBM_TDB             | ]                   |
| ]        | ~    | or temporal))  | 1.00                | 2004/00/45 + 4 5:   |
| 11       | 2    | ((neur\$3 same puls\$3) same (train\$3 learn\$3)) same       | USPAT;              | 2004/09/15 14:31    |
| 1        |      | (discriminat\$3 same ((time adj (span\$1 period\$1)) or      | US-PGPUB;           |                     |
| 1        |      | temporal))   | EPO; JPO;           | {                   |
| 1        |      |  | DERWENT;            | <b>{</b>            |
| 13       | ^    | ///  | IBM_TDB             | 2004/00/45 44 50    |
| 12       | 2    | (((neur\$3 same puls\$3) same (train\$3 learn\$3)) same      | USPAT;              | 2004/09/15 14:33    |
|          |      | (discriminat\$3 same ((time adj (span\$1 period\$1)) or      | US-PGPUB;           | ]                   |
|          |      | temporal))) and (iterat\$4 repeat\$4 loop\$4)                | EPO; JPO;           |                     |
| 1        |      |  | DERWENT;            |                     |
| (        |      |  | IBM_TDB             | [                   |

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| 13 | 1 ((((neur\$3 same puls\$3) same (train\$3 learn\$3)) same (discriminat\$3 same ((time adj (span\$1 period\$1)) or temporal))) and (iterat\$4 repeat\$4 loop\$4)) and @ad<=19980825 | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/09/15 14:34 |  |
|----|---|---|------------------|--|
|----|---|---|------------------|--|